

## LISTING OF CLAIMS

The following listing of claims replaces all prior versions of claims.

1.-33. (Canceled)

34. (Currently amended) A composition comprising a reproductive cell medium for mammalian, avian, or piscian reproductive cells and a reproductive cell, wherein the medium comprises a growth factor selected from the group consisting of activated TGF $\beta$ -1, activated TGF $\beta$ -2, and activated IGF-1, wherein the activated growth factor comprises at least about 75% unbound growth factor.

35. (Original) The composition of claim 34, wherein the medium comprises activated TGF $\beta$ -1.

36. (Original) The composition of claim 35, wherein the TGF $\beta$ -1 comprises at least about 75% unbound TGF $\beta$ -1.

37. (Original) The composition of claim 35, wherein the activated TGF $\beta$ -1 comprises at least about 90% unbound TGF $\beta$ -1.

38. (Original) The composition of claim 34, wherein the medium comprises activated TGF $\beta$ -2.

39. (Original) The composition of claim 38, wherein the activated TGF $\beta$ -2 comprises at least about 75% unbound TGF $\beta$ -2.

40. (Original) The composition of claim 38, wherein the activated TGF $\beta$ -2 comprises at least about 90% unbound TGF $\beta$ -2.

41. (Original) The composition of claim 34, wherein the medium comprises activated TGF $\beta$ -1 and activated TGF $\beta$ -2.

42. (Original) The composition of claim 41, where the activated TGF $\beta$ -1 comprises at least about 75% unbound TGF $\beta$ -1 and the activated TGF $\beta$ -2 comprises at least about 75% unbound TGF $\beta$ -2.

43. (Original) The composition of claim 41, where the activated TGF $\beta$ -1 comprises at least about 90% unbound TGF $\beta$ -1 and the activated TGF $\beta$ -2 comprises at least about 90% unbound TGF $\beta$ -2.

44. (Original) The composition of claim 34, wherein the medium comprises activated IGF-1.

45. (Original) The composition of claim 44, where the activated IGF-1 comprises at least about 75% unbound IGF-1.

46. (Original) The composition of claim 44, where the activated IGF-1 comprises at least about 90% unbound IGF-1.

47.-49. (Canceled)

50. (Original) A composition comprising sperm cell medium for porcine sperm cells, wherein the medium comprises activated TGF $\beta$ -1, activated TGF $\beta$ -2, and activated IGF-1.

51. (Original) The composition of claim 50, where the activated TGF $\beta$ -1 comprises at least 75% unbound TGF $\beta$ -1, the activated TGF $\beta$ -2 comprises at least 75% unbound TGF $\beta$ -2, and the activated IGF-1 comprises at least 75% unbound IGF-1.

52. (Original) The composition of claim 50, wherein the activated TGF $\beta$ -1 comprises at least 90% unbound TGF $\beta$ -1, the activated TGF $\beta$ -2 comprises at least 90% unbound TGF $\beta$ -2, and the activated IGF-1 comprises at least 90% unbound IGF-1.

53. (Canceled)